

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A ball screw device comprising:

a nut having a plurality of first thread grooves formed on an inner surface thereof;

a screw shaft having a plurality of second thread grooves formed on an outer surface thereof;

a plurality of balls configured to be arranged between the first thread grooves and the second thread grooves; and

a deflector built into the nut to provide a ball-return path which returns the balls so as to circulate endlessly, wherein the deflector comprises a deflector piece which defines a top plate of the ball-return path and a guide member which defines sidewalls of the ball-return path,

wherein, the deflector piece is shaped as an arch which comprises a pair of prop portions and an intermediate portion formed between the prop portions; the prop portions are inserted into a through hole formed into the nut; and a concavity as the top plate of the ball-return path is formed on an inner surface of the intermediate portion, wherein the arch extends completely across a width of ~~approximately two~~ second thread grooves, and

wherein the guide member is shaped so that its cross section is U-shaped, and the sidewalls of the guide member sandwich only the intermediate portion of the deflector piece.

Claim 2-3 (Canceled).

Claim 4 (Previously Presented): A ball screw device according to claim 1, wherein a plural number of deflectors are built into the nut at an equal interval in circumferential direction.

Claim 5 (Previously Presented): A ball screw device according to claim 1, wherein the ball screw device further comprises a plural number of separators which are arranged between each ball.

Claim 6 (Original): A ball screw device according to claim 1, wherein the ball screw device further comprises a nut housing that the nut is inserted therein, and an elastic member which is provided on an outer surface of the guide member; and the elastic member is engaged with an inner surface of the nut housing to fix the guide member to the nut.

Claim 7 (Withdrawn): A manufacturing method of a ball screw device which comprises a nut, a screw shaft, a plural number of balls, and a deflector which comprises a deflector piece and a guide member, the manufacturing method comprising:

attaching the deflector piece to the nut;

grinding an inner surface of the nut together with an inner surface of the deflector piece;

attaching the guide member to the nut; and

assembling the balls and the screw shaft to the nut.

Claim 8 (Withdrawn): A manufacturing method of a ball screw device which comprises a nut, a screw shaft, a plural number of balls, and a deflector which comprises a deflector piece and a guide member, the manufacturing method comprising:

attaching the deflector piece to the nut;  
grinding an inner surface of the nut together with an inner surface of the  
deflector piece;  
detaching the deflector piece from the nut;  
assembling the balls and the screw shaft to the nut; and  
attaching the deflector piece and the guide member to the nut.